In the Claims:

Please amend the claims as follows:

1. (Currently Amended) A method in an electronic document distribution system for routing broadcasting packets from a sending router ~~to a receiving router~~ comprising:

a broadcasting packet, including a unit of information to be transmitted as a whole from the sending router;

breaking the broadcasting packet into multiple packets before transmission with each of the multiple packets designated for traveling a different route from the sending router;

for each packet determined to be a large packet:

stripping a payload of the packet from the header ~~from a broadcasting packet at the receiving router, wherein each packet in a group of broadcasting packets associated with a specific payload has identical payloads and different headers~~;

storing the stripped payload in the sending router as a coded header ~~of the broadcasting packet local to the receiving broadcasting router~~;

transmitting ~~a~~ the payload ~~header for each of the broadcasting packets from the sending router to~~ from the ~~receiving~~ sending router; ~~and~~

separate from the payload, transmitting the coded header; and

forming a full broadcasting packet following completion of separate transmission of the payload and the coded header, including attaching the coded header to the separately transmitted payload.

~~attaching a corresponding broadcasting payload stored local to the receiving router to each header arriving at the receiving router separately from the broadcasting payload.~~

2. (Currently Amended) The method of claim 1, wherein the step of stripping the payload of the packet from the header further comprises coding the stripped payload to a set of symbols, replacing the packet with the coded set of symbols, and adding the coded set of symbols to the coded header. ~~further comprising reducing the broadcasting packet to header information.~~

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3. Cancel

4. (Currently Amended) The method of claim 1 3 wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

5. (Currently Amended) The method of claim 1 3 wherein:

said communication network is a distributed network;

said ~~broadcasting~~ payloads are digitized packets; and

said network distribution system is a network server system.

6. (Currently Amended) A document distribution system for sending ~~and receiving~~ broadcasting packets comprising:

a broadcasting packet, including a unit of information to be transmitted as a whole from the sending router;

a manager to break the broadcasting packet into multiple packets before transmission with each of the multiple packets designated for traveling a different route from the sending router;

for each packet determined to be a large packet;

~~a manager to associate a payload of each broadcasting packet with a set of symbols and to store said set of symbols in a broadcasting packet header;~~

said manager to strip said payload of the packet from the header ~~from a broadcasting packet at a receiving router, wherein broadcasting packets associated with a specific payload have identical payloads and different headers;~~

said manager to store said payload ~~local to the receiving router~~ as a coded header;

a sending router to transmit ~~a~~ the coded header ~~for each of the broadcasting packets to the receiving router; and~~

the sending router to transmit the payload separate from the coded header; and

formation of a full broadcasting packet following completion of the separate transmissions, including attachment of the coded header to the separately transmitted payload.

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~~based upon said set of symbols in the header information, said manager to attach a corresponding payload stored local to the receiving router to each header arriving at the receiving router separately from the broadcasting payload.~~

7. (Currently Amended) The system of claim 6, the manager stripping the payload of the packet from the header further comprises coding the stripped payload to a set of symbols, replacement of the packet with the coded set of symbols, and addition of the coded set of symbols to the coded header ~~further including the step of reducing the broadcasting payload of the broadcasting packet to a header of the broadcasting packet~~.

8. Cancel

9. (Currently Amended) The system of claim ~~8~~ 6 wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

10. (Currently Amended) The system of claim ~~8~~ 6 wherein:
said communication network is a distributed network; said ~~broadcasting~~ payloads are digitized packets; and
said network distribution system is a network server system.

11. (Currently Amended) An article including a document distribution system comprising a computer readable memory ~~storage medium~~ including computer readable instructions, said instructions comprising;
instructions for transmitting a broadcasting packet including a unit of information as a whole from a sending router;
instructions for breaking the broadcasting packet into multiple packets before transmission with each of the multiple packets designated for traveling a different route from the sending router;
for each packet determined to be a large packet:

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instructions for stripping a payload <u>of the packet from the header</u> ~~from a broadcasting packet at a receiving router, wherein broadcasting packets associated with a specific payload have identical payloads and different headers;~~ <u>and</u> instructions for storing the <u>stripped</u> payload <u>in the sending router as a coded header</u> ~~local to the receiving router~~;

instructions for transmitting <u>the coded</u> headers ~~for each of the broadcasting packets from a sending router to the receiving router; and~~

<u>instructions for transmitting the stripped payload, separate from the coded header; and</u>

<u>following transmission, instructions for forming a full broadcasting packet, including attaching the coded header to the separately transmitted payload.</u>

~~instructions for attaching a corresponding broadcasting payload stored in local to the receiving router to each header arriving at the receiving router separately from the broadcasting payload.~~

12. (Currently Amended) The article of claim 11<u>, wherein the instructions for stripping a payload of the packet from the header further comprise instructions for coding the stripped payload to a set of symbols, replacing the packet with the coded set of symbols, and adding the coded set of symbols to the coded header</u> ~~further comprising means in the document distribution system for reducing the broadcasting payload of the broadcasting packet to a header of the broadcasting packet~~.

13. Cancel

14. (Currently Amended) The article of claim ~~13~~ <u>11</u> wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

15. (Currently Amneded) The article of claim ~~13~~ <u>11</u> wherein:

said communication network is a distributed network; said ~~broadcasting~~ payloads are digitized packets; and

said network distribution system is a network server system.